



U.S. DEPARTMENT OF
ENERGY

Paducah Gaseous Diffusion Plant Deactivation Task Order Deactivation, Decontamination, and Demolition

May 1, 2013



***E**_M Environmental Management*

safety ♦ performance ♦ cleanup ♦ closure

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Cylinder Transfers

C.1.5.1

- Conduct cylinder transfer operations of approximately 470 14-ton natural UF_6 thin walled feed cylinders (48Gs) to be transferred to 14-ton 48Y cylinders.
- Minimize cost to DOE (short term and long-term) in determining the appropriate facilities to use in processing the natural UF_6 . No heavy heels (excessive unrecoverable compounds) may remain at the completion of this subtask.
- Demonstrate any recovery of uranium through the use of the purge cascade is cost beneficial to DOE.
- Prepare and submit a Feed Transfer Plan to DOE for approval that documents the operational activities and proposed facilities that are directly and indirectly necessary to support the operations activities to perform the feed transfer activities and the associated costs.



Additional Stabilization and Deactivation, Decontamination and Demolition

C.1.5.2 and C.1.5.3

- Perform additional stabilization and deactivation as approved by the CO if/when funding becomes available and if determined to be in the government's best interest to further reduce long-term S&M costs and reduce future demolition costs.
- Evaluate and determine benefits of additional uranium deposit/hold-up removal or Tc-99 treatment that reduces future S&M and/or demolition costs.
- Perform Decontamination and Demolition as approved by the CO if/when funding becomes available.
- ✓ Complete and submit all required CERCLA documentation.
- ✓ Conduct the response action in accordance with the CERCLA process.
- ✓ Complete disposal of all wastes excavated or generated, all site restoration, demobilization activities, submit a final completion report.

